

p. 1

FROM : ELTECH

PHONE NO. : +812 2344809

May. 22 2003 12:28PM P2



PATENT

Serial No. 09/838,483

Docket No. WFT008 0009

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.	09-838,483
Applicant	Sengupta et al.
Filed	19 April 2001
Title	WAVEGUIDE-FINLINE TUNABLE PHASE SHIFTER
Art Unit	2817
Examiner	Seungsook Ham

Assistant Commissioner for Patents
Washington, DC 20231

RECEIVED
JUN -2 2003
TC 2800 MAIL ROOM


AFFIDAVIT UNDER RULE 1.132

STATE OF _____)
) SS
COUNTY OF _____)

A.B. Kozlov, being duly sworn, does hereby depose and say as follows:

That he is a co-author of a paper published in the Journal of Superconductivity Volume 12, No. 2, 1999, entitled, Ferroelectric Tuning of Planar and Bulk Microwave Devices. Further he is an expert on voltage tunable dielectric devices. In the

-----▽-----▽-----▽-----▽-----▽-----▽-----
aforementioned publication and at the time of the publication, one of the problems to overcome in the cited paper was the operation of Fin Line Phase Shifter with low insertion loss and effective phase tuning and increased life time under an elevated electric field and that the present invention, with the composite materials claimed in twice amended claim 1, overcomes these problems to operate with sufficient tunability at non-chilled temperatures, including room temperatures.



FROM : ELTECH

PHONE NO. : +812 2344889

May. 22 2003 12:29PM P3



PATENT

Serial No. 09/838,483

Docket No. WJT008-0009

Further deponent sayeth not.

A handwritten signature, likely of A.B. Kozyrev, written in ink.

A.B. Kozyrev

Signature verified by me this 22 day of May, 2003

A handwritten signature, likely of Churence Weeks, written in ink.

Notary Public

My commission expires:

11/26/04

RECEIVED
JUN - 2 2003
TC 2800 MAIL ROOM



PATENT

Serial No. 09/838,483

Docket No. JSF01-0047/WJT008-0009

INVENTOR

Sengupta et al.

CERTIFICATE OF MAILING BY EXPRESS MAIL

"EXPRESS MAIL" Mailing Label No. 6085266320505

Date of Deposit: May 27, 2003

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 (Attn. Box Patent Application)

Type or Print Name James S. Finn

Signature 

RECEIVED
JUN - 2 2003
TC 2800 MAIL ROOM

PATENT APPLICATION FEE DETERMINATION RECORD

Effective October 1, 2001

Application or Docket Number

CLAIMS AS FILED - PART I

(Column 1)

(Column 2)

TOTAL CLAIMS			
FOR	NUMBER FILED	NUMBER EXTRA	
TOTAL CHARGEABLE CLAIMS	minus 20=	*	
INDEPENDENT CLAIMS	minus 3 =	*	
MULTIPLE DEPENDENT CLAIM PRESENT			<input type="checkbox"/>

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

(Column 1)

(Column 2)

(Column 3)

AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	*	Minus	**	=
	Independent	*	Minus	***	=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>				

AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	*	Minus	**	=
	Independent	*	Minus	***	=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>				

AMENDMENT C		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	*	Minus	**	=
	Independent	*	Minus	***	=
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>				

SMALL ENTITY TYPE ☐

OR

OTHER THAN SMALL ENTITY

RATE	FEE		
BASIC FEE	370.00	OR	BASIC FEE 740.00
X\$ 9=		OR	X\$18=
X42=		OR	X84=
+140=		OR	+280=
TOTAL		OR	TOTAL

SMALL ENTITY

OR

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE		
X\$ 9=		OR	X\$18=
X42=		OR	X84=
+140=		OR	+280=
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE

RATE	ADDITIONAL FEE		
X\$ 9=		OR	X\$18=
X42=		OR	X84=
+140=		OR	+280=
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE

RATE	ADDITIONAL FEE		
X\$ 9=		OR	X\$18=
X42=		OR	X84=
+140=		OR	+280=
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.